

REMARKS

Favorable reconsideration of this application in view of the above amendments and the following remarks is respectfully requested. By this amendment, claims 1, 7, 13-15, 28, and 36 have been amended and claims 2, 8, 26, 34, and 42 have been cancelled without prejudice or disclaimer. Currently, claims 1, 3-7, 9-25, 27-33, 35-41, and 43 are pending of which claims 1, 7, 13-15, 28, and 36 are independent.

The Examiner is thanked for the indication of allowability of claims 2-6, 8-12, 16-27, 29-35, and 37-43 if rewritten in independent form to include all of the limitations of their parent claims and any intervening claims. Claims 1, 7, 15, 28, and 36 have been amended to include the allowable subject matter of claims 2, 8, 26, 34, and 42, respectively, and Applicant submits that claims 1, 3-7, 9-12, 15-25, 27-33, 35-41, and 43 are in condition for allowance. Accordingly, formal notice of allowance of claims 1, 3-7, 9-12, 15-25, 27-33, 35-41, and 43 is respectfully requested.

Claims 2-6, 8-12, 16-27, 29-35, and 37-43 were objected to as being dependent upon a rejected base claim. In view of the above amendments, withdrawal of this objection is respectfully requested.

Claims 15, 29, and 36 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 5,903,555 to Wildauer et al. Applicant respectfully submits that this rejection is moot in view of the above amendments.

In particular, claim 15 has been amended to include the subject matter previously recited in allowable dependent claim 26. Therefore, claim 15 is allowable over the cited Wildauer reference.

Further claims 29 and 36 depend from claim 15, and therefore, are also allowable over the cited Wildauer reference.

Accordingly, withdrawal of this rejection is respectfully requested.

Claims 13 and 14 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Figure 2 and U.S. Patent No. 6,064,663 to Honkasalo et al in view of U.S. Patent No. 5,903,555 to Wildauer et al. This rejection is respectfully traversed.

Claims 13 and 14 have been amended to recite that “a set of chip-synchronous CDMA signals to be transmitted, the signals being received from an external source,” and “receiving from an external source, a set of chip-synchronous CDMA signals to be transmitted,” respectively. Claim 13 has also been amended to correct a punctuation error.

Thus, the claimed system and method each address handling of multiple signals through multiplexing, baseband filtering, and upconverting.

As previously pointed out, Figure 2 in combination with Honkasalo fails to describe or suggest the claimed system or method. The prior art of Figure 2 lacks the claimed constant envelope multiplexer. Honkasalo also lacks the claimed constant envelope multiplexer.

Figure 2 in combination with Honkasalo in further combination with Wildauer also fails to describe or suggest the claimed system or method. Figure 2 and Honkasalo both lack any teaching of constant envelope multiplexing for multiple signals.

Wildauer relates to continuous phase modulation for transmission of QPSK data that is compatible with non-linear amplification by using a constant power envelope. However, Wildauer only describes constant envelope multiplexing and a single signal. This is not the claimed system or method.

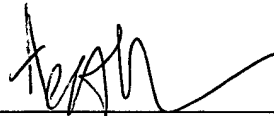
Even in hindsight, Figure 2 and Honkasalo in combination with Wildauer fails to describe or suggest the claimed system and method. As described above, the claimed system and method address multiple signals. None of Figure 2, Honkasalo or Wildauer describes constant envelope multiplexing and multiple signals. Figure 2 and Honkasalo both lack any teaching of constant envelope multiplexing. Wildauer addresses only one signal.

Applicant respectfully submits that none of Figure 2, Honkasalo or Wildauer describes or suggests the inventions of claims 13 and 14. Accordingly, withdrawal of this rejection is respectfully requested.

Applicant submits that all pending claims are in condition for allowance, and formal notice of such is solicited. If the Examiner has any questions or comments, the Examiner is respectfully requested to contact the undersigned at the number listed below.

Applicant hereby petitions for any extension of time, which may be required to maintain the pendency of this case, and any required fee for such extension is to be charged to Deposit Account No. 05-0460.

Respectfully submitted,



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